

IFWO

RAW SEQUENCE LISTINGPATENT APPLICATION: **US/10/782,234**DATE: 08/04/2004

TIME: 10:45:29

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1 <110> APPLICANT: Burian, Jan
        Kuzyk, Michael
         Thornton, Julian
         Kay, William
 5 <120> TITLE OF INVENTION: VACCINES AND AGENTS FOR INDUCING IMMUNITY AGAINST
        RICKETTSIAL DISEASES, AND ASSOCIATED PREVENTATIVE THERAPY
 7 <130> FILE REFERENCE: IDC01/60485/US
 8 <140> CURRENT APPLICATION NUMBER: US/10/782,234
 9 <141> CURRENT FILING DATE: 2004-02-18
10 <150> PRIOR APPLICATION NUMBER: US/09/677,374
11 <151> PRIOR FILING DATE: 2000-09-15
12 <150> PRIOR APPLICATION NUMBER: US 60/154,437
13 <151> PRIOR FILING DATE: 1999-09-17
14 <150> PRIOR APPLICATION NUMBER: NO 20004637
15 <151> PRIOR FILING DATE: 2000-09-15
16 <150> PRIOR APPLICATION NUMBER: IE 2000/0752
17 <151> PRIOR FILING DATE: 2000-09-18
18 <150> PRIOR APPLICATION NUMBER: GB 0022825.4
19 <151> PRIOR FILING DATE: 2000-09-18
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20 <150> PRIOR APPLICATION NUMBER: CL 2544-2000
21 <151> PRIOR FILING DATE: 2000-09-15
22 <160> NUMBER OF SEQ ID NOS: 20
23 <170> SOFTWARE: PatentIn version 3.0
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27 <212> TYPE: DNA
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36
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37
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39
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42
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         aag cta aac cag agt ttg gaa aag gta aaa gca ggg caa gtg aca cgt 288
49
         Lys Leu Asn Gln Ser Leu Glu Lys Val Lys Ala Gly Gln Val Thr Arg
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54
         act tac cag cgt tac aat aag caa gag cgt cgc cag caa tat tgt cga 384
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56
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57
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58
59
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60
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74
75
         Ala Thr Gly Ala Val Val Gly Gly Val Ala Gly Gln Leu Phe Gly Lys
76
77
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78
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79
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         Lys Leu Asn Gln Ser Leu Glu Lys Val Lys Ala Gly Gln Val Thr Arq
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83
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84
         Thr Tyr Gln Arg Tyr Asn Lys Gln Glu Arg Arg Gln Gln Tyr Cys Arg
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87
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103
104
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105
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106
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107
          acc ggt gcg gtt gtg ggc ggt gtt gcc ggc cag ctg ttc ggt aaa ggc 144
108
          Thr Gly Ala Val Val Gly Gly Val Ala Gly Gln Leu Phe Gly Lys Gly
109
110
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111
          Ser Gly Arg Val Ser Met Ala Ile Gly Gly Ala Val Leu Gly Gly Leu
112
          att ggc tct aaa atc ggt cag agc atg gac cag cag gat aaa atc aaa 240
113
114
          Ile Gly Ser Lys Ile Gly Gln Ser Met Asp Gln Gln Asp Lys Ile Lys
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          Leu Asn Gln Ser Leu Glu Lys Val Lys Ala Gly Gln Val Thr Arg Trp
117
118
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119
120
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121
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122
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123
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124
                                       120
125
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126
          Phe Gln Gln Lys Ala Met Ile Ala Gly Gln Lys Gln Glu Ile Tyr Gly
127
                                  135
128
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137 <213> ORGANISM: Piscirickettsia salmonis
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142
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               Phe Gln Gln Lys Ala Met Ile Ala Gly Gln Lys Gln Glu Ile Tyr Gly
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    192
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    193
    194
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RAW SEQUENCE LISTING

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208
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215
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                                                   140
218
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VERIFICATION SUMMARY

DATE: 08/04/2004 PATENT APPLICATION: US/10/782,234 TIME: 10:45:30

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